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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/784,928	02/15/2001	Edward L. Schwartz	074451.P127	4271

7590 06/25/2004
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EXAMINER

SHERALI, ISHRAT I

ART UNIT	PAPER NUMBER
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2621

DATE MAILED: 06/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/784,928

Applicant(s)

SCHWARTZ ET AL.

Examiner

Sherali Ishrat

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 26 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11, 13-20 and 22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 13, 16 and 18 is/are allowed.
- 6) ☒ Claim(s) 1-11, 14, 15, 17, 19, 20 and 22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) Z.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Response to Amendment/Arguments

1. This action is in response to applicant's amendment/arguments received on 3/26/04.

Based on the amendment and arguments, art rejection is withdrawn. Claims 1-11, 13-20 and 22 are allowable over prior art of record, however there remains the issue of 35 USC § 112 with respect to claims 1-2, 4-5, 7, 9, 14-15, 17, 19-20 and 22.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-11, 14-15, 17, 19-20 and 22 are rejected under 35 USC § 112 as being indefinite.

Regarding claim 1, line 5, the term "the line buffers" lacks antecedent basis. Proper correction is required. Claim 2-11 are dependent on claim 1 therefore they are also rejected.

Regarding claim 2, line 2, the term "the same subband and decomposition level" lacks antecedent basis. Proper correction is required.

Regarding claims 4 and 14, lines 1-2, the term "the first outputs" lacks antecedent basis. Proper correction is required.

Regarding claims 4 and 14, line 2, the term "each coefficient level" lacks antecedent basis. Proper correction is required.

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Regarding claims 5 and 15, lines 1-2, the term "each transform level" lacks antecedent basis. Proper correction is required.

Regarding claims 7 and 17, lines 1-2, the term "the first rows" lacks antecedent basis. Proper correction is required.

Regarding claims 7 and 17, line 2, the term "each pair of rows of L1 coefficients" lacks antecedent basis. Proper correction is required.

Regarding claims 7 and 17, lines 3-4, the term "the first row" lacks antecedent basis. Proper correction is required.

Regarding claims 7 and 17, line 4, the term "each pair of rows of L2 coefficients" lacks antecedent basis. Proper correction is required.

Regarding claims 9 and 19, line 1, the term "the additional lines" lacks antecedent basis. Proper correction is required.

Regarding claims 9 and 19, line 2, the term "the line storing the band of the image" lacks antecedent basis. Proper correction is required.

Regarding claim 17, line 3, the term "the image" lacks antecedent basis. Proper correction is required.

Regarding claim 20, line 7, the term "processing devices" lacks antecedent basis. Proper correction is required.

Regarding claims 20 and 22, line 9, the term "the access logic" lacks antecedent basis. Proper correction is required.

Regarding claim 20, line 7, the term "causes" lacks antecedent basis. Proper correction is required.

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Regarding claims 7 and 17, lines 4-5, the phrase " if four lines from the first row" is ungrammatical and not understandable. Proper correction is required.

Regarding claim 22, line 4, the word "when" is ungrammatical and inappropriate. Proper correction is required.

Allowable Subject Matter

5. Claims 1-11, 13-20 and 22 are allowable over prior art of record provided that claims overcome the rejection under § 112 second paragraph.

Communication

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherali Ishrat whose telephone number is 703-308-9589. The examiner can normally be reached on 8:00 AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Boudreau can be reached on 703-305-4706. The fax phone numbers for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-4750.

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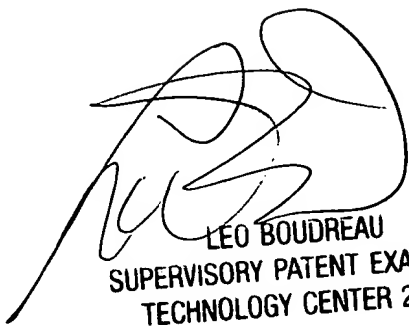
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Ishrat Sherah

Patent Examiner

Group Art Unit 2621

June 9, 2004



LEO BOUDREAU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600